

IN THE ABSTRACT

A method for making three-dimensional structures of nanometric or micrometric dimensions comprises the following steps: obtaining of a photopolymeric or UV mixture including nanoparticles orientable in space; deposition of a layer of the mixture on a respective substrate; exposure of the layer to UV-radiation and control of the polymerization of the mixture by means of variation of its index of refraction; application of a magnetic and/or electrical field for producing a desired positioning of the nanoparticles, in order to induce the growth of surface projections from the layer of mixture; and polymerization of the mixture.